

### Abstract

A video imaging system including an endoscopic device, a camera, a camera control unit and a light source, the camera coupled to the camera control unit and light source via a single cable connection. The cable is advantageously provided as a pair of wires and a light guide where image data and camera information is transmitted over the pair of wires from the camera to the camera control unit, the data and information being multiplexed on the pair of wires; and command signals are sent from the camera control unit to the camera, the command signals based on the received camera information for control of the camera.